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SO₂ deactivation mechanism of NO oxidation and regeneration of the LaCoO₃ perovskite

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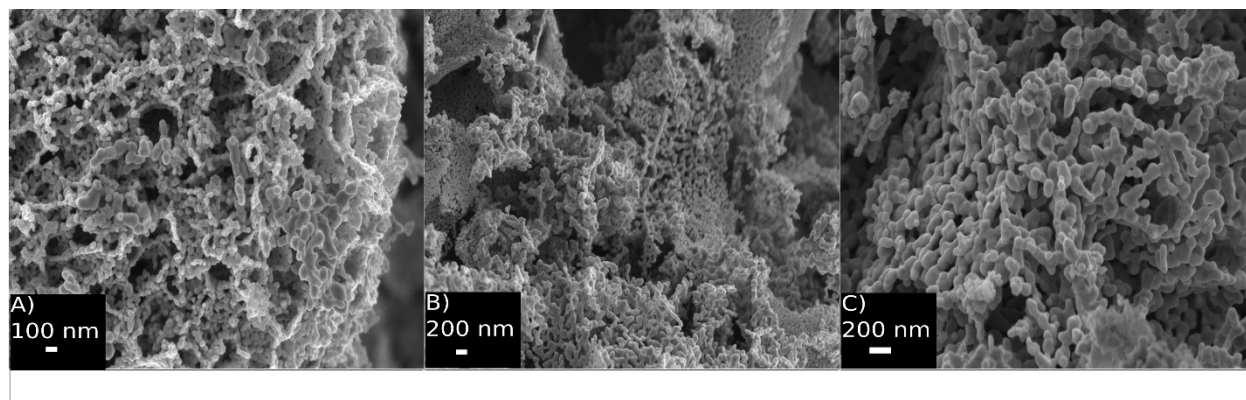


Fig. S1 SEM images of the a) LaCoO₃ b) LaCoO₃-S and c) LaCoO₃-R5 catalysts.

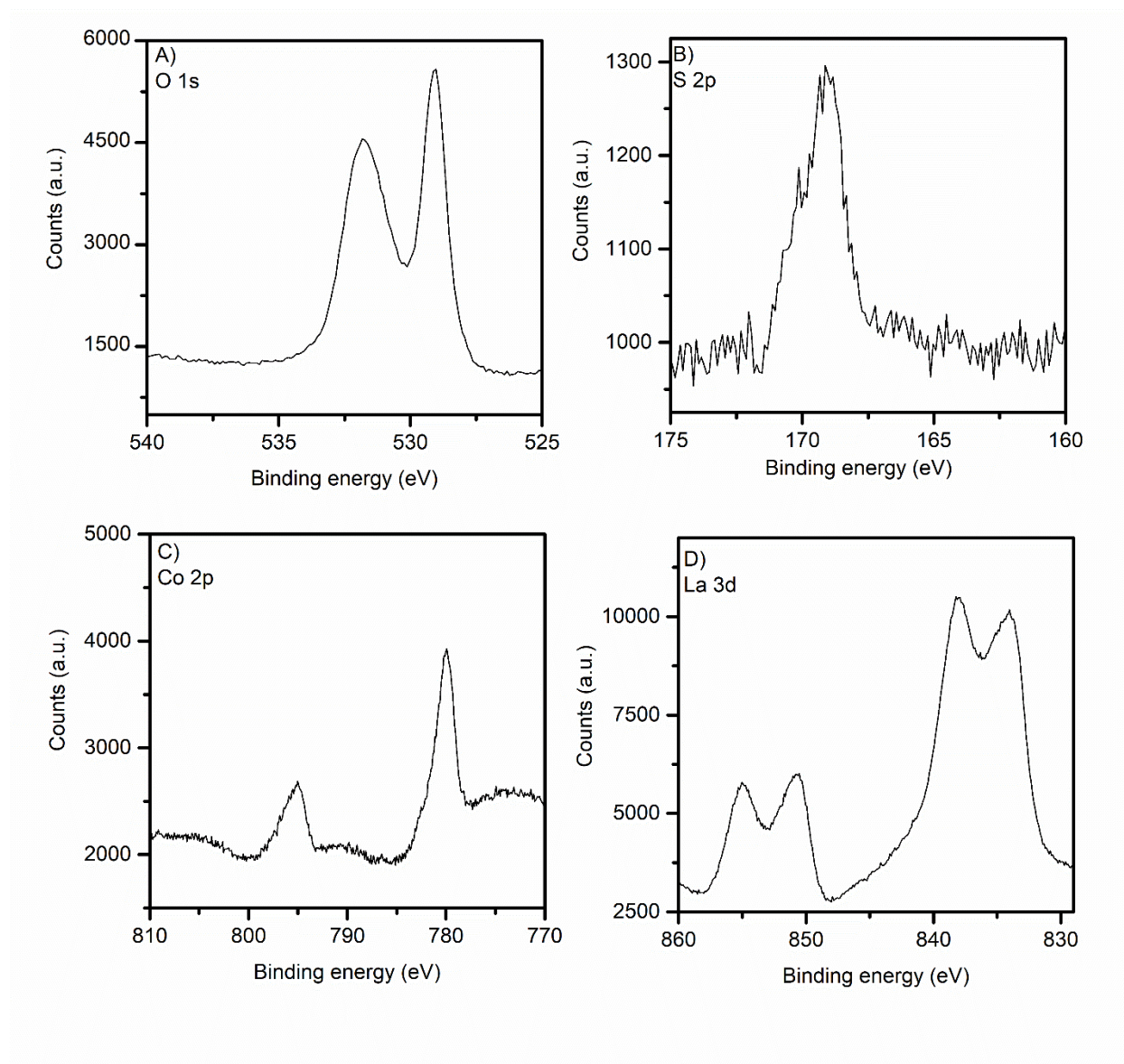


Fig. S2 XPS spectra of the sputtered $\text{LaCoO}_3\text{-S}$ after calcination at 700 °C.

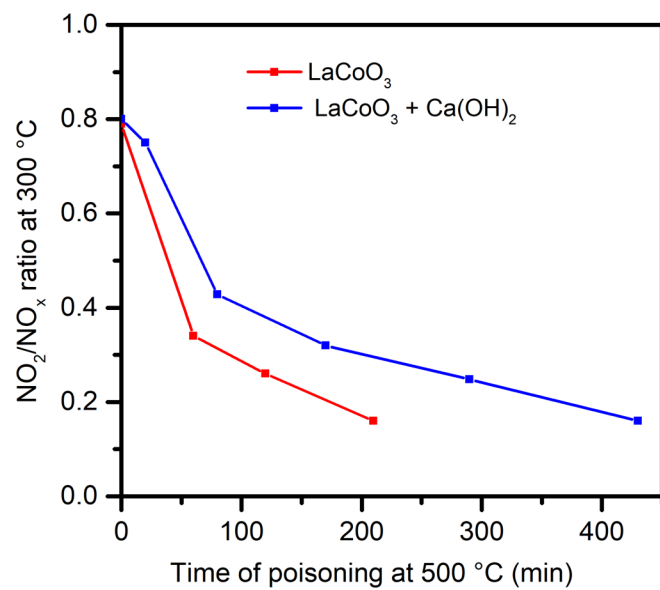


Fig. S3 Deactivation of LaCoO₃ as pure and mixed with Ca(OH)₂. Reaction conditions: 200 mg catalyst, 100 mg Ca(OH)₂, 600 mL/min 500 ppm NO, 4 % O₂, in N₂ and 60 ppm SO₂ when added, T = 500 °C.